



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

August 22, 2023

MEMORANDUM TO: Matthew A. Mitchell, Chief (Acting)  
New Reactor Licensing Branch  
Division of New and Renewed Licenses  
Office of Nuclear Reactor Regulation

FROM: Getachew Tesfaye, Senior Project Manager */RA/*  
New Reactor Licensing Branch  
Division of New and Renewed Licenses  
Office of Nuclear Reactor Regulation

SUBJECT: U.S. NUCLEAR REGULATORY COMMISSION SUMMARY OF THE  
JULY 26, 2023, OBSERVATION PUBLIC MEETING ON THE  
STATUS OF NUSCALE'S US460 STANDARD DESIGN APPROVAL  
APPLICATION

The U.S. Nuclear Regulatory Commission (NRC) held an observation public meeting on July 26, 2023, to discuss topics related to NuScale LLC's (NuScale) US460 Standard Design Approval application (SDAA) (NRC's Agencywide Documents Access and Management Systems (ADAMS) Accession No. ML22339A066). This meeting was part of a periodic NRC and NuScale management engagement to discuss the status of the application, technical topics of interest, project processes and workflows. The meeting consisted of open and closed portions.

During the open portion of the meeting, the NRC staff gave an overview of the current status of the NuScale application that has been tendered but not docketed because of the technical sufficiency issues related to density wave oscillation (DWO) phenomena. The staff noted that NuScale has made two submittals, on July 14, 2023 (ML23195A092) and July 17, 2023 (ML23198A244), in response to the NRC request for supplemental information (RSI) contained in the NRC March 17, 2023, acceptance review letter (ML23058A160). The staff further noted that these two submittals are being reviewed to determine if the SDA application is acceptable for docketing.

In addition to the RSI, the staff discussed the current status of the identified "focus" items that are needed to support a reliable schedule development (FISDs), and the High Impact Technical Issues (HITIs) contained in the in the NRC acceptance review letter (ML23058A160). Both FISDs and HITIs are being addressed in the SDAA Phase A review audit for part of the application not impacted by the DWO RSI. As of July 14, 2023, the staff noted that 36 FISDs and 13 HITIs have been identified in the audit and are at various stages of resolution. The staff also noted that it has issued an audit status report on June 20, 2023 (ML23151A119).

CONTACT: Getachew Tesfaye  
301-415-8013

The staff also presented the statuses of the eight Licensing Topical Reports (LTRs) submitted in the pre-application phase and the four LTRs submitted with the SDA application. The review of five of the LTRs submitted in the pre-application phase is completed and the remaining three are near completion. The four LTRs that were submitted at same time as the SDA application are being reviewed concurrently with the SDA application's safety review (i.e., three of the LTRs are included in the Phase A safety review audit and the sufficiency of the DWO LTR is being evaluated in RSI audit. Additionally, NuScale plans to submit three LTRs by the end of 2023 to support future licensing applications.

The closed portion of the meeting was held to discuss proprietary items. The areas discussed in the closed portion of the meeting can be found in ML23230A048 (proprietary). The major takeaways from the closed meeting are captured under action items in ML23230A005 (proprietary).

The public meeting notice dated July 26, 2023, was posted on the NRC public website, and can be found in ML23200A001. Information related to presentation can be found under ML23230A007 (nonproprietary). The enclosure to this summary provides a list of the meeting participants.

Docket Nos.: 99902078 and 05200050

Enclosure:  
List of Attendees

cc w/encl.: NuScale Power, LLC Listserv

SUBJECT: U.S. NUCLEAR REGULATORY COMMISSION SUMMARY OF THE JULY 26, 2023, OBSERVATION PUBLIC MEETING ON THE STATUS OF NUSCALE'S US460 STANDARD DESIGN APPROVAL APPLICATION  
 DATED: AUGUST 22,2023

**DISTRIBUTION:**

PUBLIC	MMitchell, NRR
NRLB R/F	BSmith, NRR
SGreen, NRR	BThomson, NRR
RVivanco, NRR	RPatton, NRR
GTesfaye, NRR	JDonoghue, NRR
Thayden, NRR	RidsNrrDnrl
TLamb, NRR	RidsNrrDnrlNrlb
ASchiller, NRR	RidsNrrDss
SJoseph, NRR	RidsNrrDex
DDrucker, NRR	RidsEdoMailCenter
RTaylor, NRR	RidsAcrcMailCenter
AKock, NRR	RidsOgcMailCenter

**ADAMS Accession No.:**

**Pkg: ML23230A004**

**Memo: ML23230A006**

**Action Items: ML23230A005 (Proprietary)**

**Slides: ML23230A007 (Nonproprietary)**

**Slides: ML23230A048 (Proprietary) \*via email**

**NRR-106**

<b>OFFICE</b>	DNRL/NRLB: PM	DNRL/NLIB: LA	DNRL/NRLB: PM
<b>NAME</b>	GTesfaye	SGreen	SJoseph
<b>DATE</b>	08/16/2023	08/18/2023	08/21/2023
<b>OFFICE</b>	DNRL/NRLB: BC	DNRL/NRLB: PM	
<b>NAME</b>	MMitchell	GTesfaye	
<b>DATE</b>	08/21/2023	08/22/2023	

**OFFICIAL RECORD COPY**

**U.S. NUCLEAR REGULATORY COMMISSION SUMMARY OF THE JULY 26, 2023,**  
**OBSERVATION PUBLIC MEETING ON THE STATUS OF NUSCALE'S US460 STANDARD**  
**DESIGN APPROVAL APPLICATION**

**LIST OF ATTENDEES**

**July 26, 2023**

<b>Name</b>	<b>Organization</b>
Rob Taylor	NRC
Andrea Kock	NRC
Mike Dudek	NRC
Getachew Tesfaye	NRC
Brian Smith	NRC
Rebecca Patton	NRC
Joe Donoghue	NRC
Meena Khana	NRC
Nick Taylor	NRC
Taylor Lamb	NRC
Thomas Hayden	NRC
Stacy Joseph	NRC
Bian Wittick	NRC
MJ Ross	NRC
Shanlai Lu	NRC
Antonio Barrett	NRC
Omid Tabatabai	NRC
Clinton Hobbs	NRC
Jana Bergman	NRC
Ryan Nolan	NRC
Carrie Fosaaen	NuScale
Mark Shaver	NuScale
Tom Griffith	NuScale
Robert Gamble	NuScale
Karen Feldman	NuScale
Sarah Fields	Uranium Watch